



Dart Hawkesbury
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

D412-704-141
Job Sheet 163498



Part No: D412-704-141

Job Qty: 1 ea

Part Name: Pedal Assembly



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 9/30/17

Job Tracking No:

Due Date: 11/15/17

Created By: Mario Poulin

Type: Stock

Description:

Note: DWG REV A IPP REV:A NEW ISSUE 12-03-21 JLM VERIFIED BY:EC

Ship Via:

Bill of Materials

Part/Part Name	Part Note	Serial No	Quantity	Location
D412-704-141 Pedal Assembly	DWG REV A IPP REV:A NEW ISSUE 12-03-21 JLM VERIFIED BY:EC		0.000	
AN3-10A Bolt			0.000	
AN3-6A Bolt			0.000	
AN315-4R Nut			0.000	
AN4-10A Bolt			0.000	
AN4-12A Bolt			0.000	
D3204-041 Release Pedal Assembly	DWG REV A1 IPP: C 05.08.11 Added Step 25 KJ/JLM		0.000	
D3205-1 Pedal Bracket	DWG REV C IPP A 04.06.09 New issue KJ/RF IPP Rev:B 08-12-16 attach DEO DD verified by:EC IPP REV:C AS PER REV B 12-03-23 JLM VERIFIED BY:EC		0.000	
D3205-3 Back Plate	DWG REV C IPP B 05.01.31 Revised Step 10 KJ/JLM IPP REV:C AS PER REV B 12-03-23 JLM VERIFIED BY:EC		0.000	
D3206-1 Pedal Arm	DWG REV B IPP A 04.04.15 New issue KJ/RF IPP Rev:B Now On Waterjet 06-12- 13 JLM		0.000	
D3209-041 Bracket Assembly	DWG REV A IPP A 04.06.09 New issue KJ/RF		0.000	
D4610-5 Shim	DWG REV B SHEET 4 IPP REV:A NEW ISSUE 12-03-22 JLM VERIFIED BY:EC IPP REV:B 12.04.20 as per dwg rev.B DD ver:EC		0.000	
D4611-1 Bushing	DWG REV A IPP REV:A NEW ISSUE 12-03-23 JLM VERIFIED BY:DD		0.000	
MS20002-4 Washer			0.000	
MS20004-24 Bolt			0.000	
MS21042L3 Nut	DWG REV A		0.000	
MS21042L3 Nut	DWG REV A		0.000	
MS21042L4 Nut			0.000	
MS24694-S104 Screw	Status: Stock		0.000	
MS9519-10 Bolt			0.000	
NAS1149D0332J Washer			0.000	

*Cancelled
returned
to SPH*

Part: **D412-704-141 B163498**

Created: 9/30/17 1:16 PM DART.MICHAUD-
FEBRILLE.VICTORIA



Serial No: **S000237**

Printed By: Goldston, Justin 10/2/17 10:45 AM

Plex 10/1/17 12:52 PM Dart.Renwick.Jennifer

NAS1149D0363J	0.000
Washer	
NAS1149D0416J	0.000
Washer	
NAS1149D0463J	0.000
Washer	

Job Routing

Op No	Operation	Qty	Due Date	Standard		Workcenter/Supplier	
				Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time
90	Start up Operation	1 Ea	11/14/17	0.00	0.00	Start up container	
110	Small Fab	1 pcs	11/15/17	0.00	0.54	Small Fab	
120	QC	1 pcs	11/15/17	0.00	0.00	QC5	
122	Packaging	1 pcs	11/15/17	0.00	0.00	Packaging1	
126	QC	1 pcs	11/15/17	0.00	0.00	QC4	
130	Packaging	1 pcs	11/15/17	0.00	0.00	Packaging3	
140	QC21-FG	1 Ea	11/15/17	0.00	0.00	QC21	

Job BOM

Part / Item	Component Name	Quantity	Operation	Special Comments
D3204-041	Release Pedal Assembly	1 Ea (1 ea)	90-Start up Operation	
D412-704-141 B163498		1 Ea (1 ea)	90-Start up Operation	
NAS1149D0332J	Washer	4 Ea (4 ea)	90-Start up Operation	
AN3-6A	Bolt	2 Ea (2 ea)	122-Packaging	
MS21042L3	Nut	2 Ea (2 ea)	122-Packaging	

Job Allocations

Operation	Component Part	Required	Inventory	Allocated	Std Qty
90-Start up Operation	D3204-041	1	0	0	0
	D412-704-141 B163498	1	1	0	0
	NAS1149D0332J	4	0	0	0
122-Packaging	AN3-6A	2	0	0	0
	MS21042L3	2	0	0	0

Part Specifications

Specifications could not be found.

Work Order Summary

Thursday, September 28, 2017 8:07:44 AM

Page 1 of 2

Criteria : Work Order ID: 163498 Item ID: D412-704-141 Product Family SMALL FAB
Work Order Start Dates 6/27/2017 to 6/27/2017 11:59:59 PM Work Order Required Dates 7/5/2017 to 7/5/2017 11:59:59 PM
All References
Work Order Status Released

Work Order ID	163498	Required Qty	1.0000	Status Code	Released
Item ID	D412-704-141	Accepted Qty	0.0000	Scrap Qty	0.0000
Item Name	Pedal Assembly				
Current Acct Value	\$1,152.789				

Start Date	6/27/2017	Required Date	7/5/2017	Completed Date	
Standard	** Actual **		** Acct. Value **	** Variance **	** Variance % **
<u>Direct Costs</u>	<u>Total</u>	<u>Each</u>	<u>Each</u>	<u>Each</u>	<u>Each</u>
Material	\$76.514	\$0.000	\$52.779	\$52.779	100.00%
Labor	\$153.892	\$0.000	\$260.415	\$260.415	100.00%
Outplant	\$0.200	\$0.000	\$1.399	\$1.399	100.00%
Variable Burden	\$0.000	\$0.000	\$0.000	\$0.000	0.00%
Fixed Burden	\$419.389	\$0.000	\$585.645	\$585.645	100.00%
Material Burden	\$0.000	\$0.000	\$0.000	\$0.000	0.00%
** Total **	\$649.996	\$0.000	\$900.237	\$900.237	

Item ID/Item Name	Required Qty	Issue Code	Issue Date	Issued Qty	Cost Amount
AN3-10A Bolt	1.0000		7/27/2017	1.0000	\$0.100
AN315-4R Nut	1.0000		7/27/2017	1.0000	\$0.117
AN4-10A Bolt	1.0000		7/27/2017	1.0000	\$0.162
AN4-12A Bolt	2.0000		7/27/2017	2.0000	\$0.340
D3205-1 Pedal Bracket	1.0000		8/3/2017	1.0000	\$518.628
D3205-3 Back Plate	1.0000		8/3/2017	1.0000	\$13.606
D3206-1 Pedal Arm	1.0000		8/3/2017	1.0000	\$13.717
D3209-041 Bracket Assembly	1.0000		8/3/2017	1.0000	\$72.023
D4610-5 Shim	1.0000		8/3/2017	1.0000	\$4.883
D4611-1 Bushing	1.0000		7/27/2017	1.0000	\$11.092

Thursday, September 28, 2017 8:07:44 AM

Work Order Summary

Page 1 of 2

MS20002-4 WASHER	1.0000	7/27/2017	1.0000	\$0.070
MS20004-24 Bolt	1.0000	7/27/2017	1.0000	\$6.103
MS21042L3 Nut	1.0000	7/27/2017	1.0000	\$0.140
MS21042L4 Nut	5.0000	7/27/2017	5.0000	\$0.850
MS24694-S104 Screw	1.0000	7/27/2017	1.0000	\$0.300
MS9519-10 Bolt	1.0000	8/3/2017	1.0000	\$0.996
NAS1149D0363J Washer	5.0000	7/27/2017	5.0000	\$0.100
NAS1149D0416J WASHER	2.0000	7/27/2017	2.0000	\$0.081
NAS1149D0463J Washer	13.0000	7/27/2017	13.0000	\$0.369
			Total Matl Amts:	\$643.676

Work Center Small Fab

Employee ID	Rout Seq ID	Labor Date	Setup Hours	Actual Setup Hours	Labor Hours	Actual Labor Hours	Nbr of WOs	Setup Amount	Labor Amount	Fix Burd Amount	Var Burd Amount	Total Amounts
BOUC02												
8/3/2017												
110			0.00	0.00	0.08	0.08	1.00	\$0.000	\$1.719	\$4.601	\$0.000	\$6.320
Total:			0.00	0.00	0.08	0.08	1.00	\$0.000	\$1.719	\$4.601	\$0.000	\$6.320

Work Order ID 163498

Tuesday, June 27, 2017 1:24:12 PM

163498

Page 1

Item ID: D412-704-141

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Pedal Assembly

Start Date: 6/27/2017 Start Qty: 1.00

1

Cust Item ID:

Required Date: 7/5/2017 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals:

Process Plan:

DAS
21
9-89

Date: JUN 28 2017

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
D412-704-141	A

100	Pick Kit	0.00							
-----	----------	------	--	--	--	--	--	--	--

100

Packaging

Memo

0.00

Packaging

JUL 27 2017

DAS
6
9-89

110

0.00

110

Small Fab

Memo

0.62

Small Fab

ASSEMBLE AS PER DWG

120

QC5- Inspect part completeness to step on W/O

0.00

120

QC

Memo

0.02

Quality Control

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																											
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval																																																							
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval																																																							
Root Cause		FAULT CATEGORY																																																													
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER : 	
Misidentified ☐	Past Due ☐																																																														

Work Order ID 163498

Tuesday, June 27, 2017 1:24:12 PM

163498

Page 2

Item ID: D412-704-141

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: Pedal Assembly

Start Date: 6/27/2017 Start Qty: 1.00

1

Cust Item ID:

Required Date: 7/5/2017 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals:

Process Plan: _____

Date: _____

Tooling: _____

Date: _____

Run Start

NR1

QC: _____

Date: _____

SPC (Y/N): _____

Date: _____

Stop

NR2Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

122

Pick Kit

0.00

122

Packaging

Memo

0.05

Packaging

126

QC4- 100% Inspect kits for completeness

0.00

126

QC

Memo

0.02

Quality Control

130

Identify as per dwg & Stock Location: _____

0.00

130

Packaging

Memo

0.01

Packaging

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐								
Misidentified ☐	Past Due ☐								
OTHER : ☐									

Work Order ID 163498

Tuesday, June 27, 2017 1:24:12 PM

163498

Page 3

Item ID: D412-704-141

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Pedal Assembly

Start Date: 6/27/2017 Start Qty: 1.00

1

Cust Item ID:

Required Date: 7/5/2017 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals:

Process Plan: _____

Date: _____

Tooling: _____

Date: _____

Run Start ***NR1***

QC: _____

Date: _____

SPC (Y/N): _____

Date: _____

Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

140

QC21- Final Inspection - Work Order Release

0.00

140

QC

Memo

0.10

Quality Control

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition					
								Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐								
Misidentified ☐	Past Due ☐								
		OTHER :							

Picklist Print

Page 1

Tuesday, June 27, 2017 1:24:14 PM

Work Order ID: 163498

163498

Parent Item: D412-704-141

D412-704-141

Parent Item Name: Pedal Assembly

Start Date: 6/27/2017

Required Date: 7/5/2017

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A NEW ISSUE 12-03-21 JLM VERIFIED BY:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3204-041		Manufactured	No			100	Each	0.0000	1	1			
D3204-041									**				
Release Pedal Assembly													
D3205-1		Manufactured	No			100	Each	4.0000	1	1			
D3205-1									**				
Pedal Bracket													
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				GA				4					
				155558				1					
				162446				3					
D3205-3		Manufactured	No			100	Each	1.0000	1	1			
D3205-3									**				
Back Plate													
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				GA				1					
				158017				1					
D3206-1		Manufactured	No			100	Each	7.0000	1	1			
D3206-1									**				
Pedal Arm													
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				GA				7					
				157984				1					
				162377				6					

17/08/03
DAS
36
9-8917/08/03
DAS
36
9-89

162504 (10)

17/08/03
DAS
36
9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval																																																									
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval																																																									
Root Cause		FAULT CATEGORY																																																															
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____			
Misidentified ☐	Past Due ☐																																																																

Picklist Print

Tuesday, June 27, 2017 1:24:14 PM

Page 2

Work Order ID: 163498

163498

Parent Item: D412-704-141

D412-704-141

Parent Item Name: Pedal Assembly

Start Date: 6/27/2017

Required Date: 7/5/2017

Start Qty: 1.00

Required Qty: 1.00

D3209-041

Manufactured No

100 Each

2.0000 1 1

D3209-041

Bracket Assembly

**

17/08/03

DAS
36
9-89

Location

Loc Qty

Loc Code

GA

2

158811

2

D4610-5

Manufactured No

100 Each

8.0000 1 1

D4610-5

Shim

**

17/08/03

DAS
36
9-89

Location

Loc Qty

Loc Code

GA

8

161974

8

D4611-1

Manufactured No

100 Each

6.0000 1 1

D4611-1

Bushing

**

JUL 27 2017

DAS
6
9-89

Location

Loc Qty

Loc Code

ST112

6

111836

6

AN3-10A

Purchased No

100 Each

112.0000 1 1

AN3-10A

Bolt

**

JUL 27 2017

DAS
6
9-89

Location

Loc Qty

Loc Code

GA

39

m136787

39

ST349

73

m137321

4

m137544

69

Tuesday, June 27, 2017 1:24:15 PM

Shop Packet Print

Page 2

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					

Picklist Print

Tuesday, June 27, 2017 1:24:15 PM

Work Order ID: 163498

163498

Parent Item: D412-704-141

D412-704-141

Parent Item Name: Pedal Assembly

Start Date: 6/27/2017

Required Date: 7/5/2017

Start Qty: 1.00

Required Qty: 1.00

AN315-4R

Purchased

No

100

Each

77.0000

1

1

AN315-4R

Nut

**

JUL 27 2017

DAS
6
9-89LocationLoc QtyLoc Code

ST331

77

1

M128978

77

AN4-10A

Purchased

No

100

Each

136.0000

1

1

AN4-10A

Bolt

**

JUL 27 2017

DAS
6
9-89LocationLoc QtyLoc Code

over003

125

M137412

125

ST345

11

M134762

11

AN4-12A

Purchased

No

100

Each

100.0000

2

2

AN4-12A

Bolt

**

JUL 27 2017

DAS
6
9-89LocationLoc QtyLoc Code

FG

10

120423

10

ST344

90

m137412

90

MS20002-4

Purchased

No

100

Each

58.0000

1

1

MS20002-4

WASHER

**

JUL 27 2017

DAS
6
9-89LocationLoc QtyLoc Code

ST314

58

121114

58

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
☐ OTHER : _____					

Picklist Print

Tuesday, June 27, 2017 1:24:15 PM

Work Order ID: 163498

163498

Parent Item: D412-704-141

D412-704-141

Parent Item Name: Pedal Assembly

Start Date: 6/27/2017

Required Date: 7/5/2017

Start Qty: 1.00

Required Qty: 1.00

MS20004-24

Purchased

No

100

Each

9.0000

1

1

MS20004-24

**

Bolt

Location

Loc Qty

Loc Code

ST314

9

m136643

3

m137597

6

JUL 27 2017

DAS
6
9-89

MS21042L3

Purchased

No

100

Each

1,467.000

1

1

MS21042L3

**

Nut

Location

Loc Qty

Loc Code

FP001

79

m135945

79

GA

394

m134360

102

M136665

292

OVER007

500

m134360

0

m137886

500

ST303

494

m137680

494

JUL 27 2017

137988

DAS
6
9-89

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			
				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					

Picklist Print

Tuesday, June 27, 2017 1:24:15 PM

Page 5

Work Order ID: 163498

163498

Parent Item: D412-704-141

D412-704-141

Parent Item Name: Pedal Assembly

Start Date: 6/27/2017

Required Date: 7/5/2017

Start Qty: 1.00

Required Qty: 1.00

MS21042L4

Purchased

No

100

Each

2,041.000

5

5

MS21042L4

Nut

**

JUN 27 2017

DAS
6
9-89

Location

Loc Qty

Loc Code

FP001

10

m133363

10

GA

51

m135058

51

OVER007

1400

m137402

400

m137680

1000

ST303

580

m137544

580

5

MS24694-S104

Purchased

No

100

Each

8.0000

1

1

MS24694-S104

Screw

**

JUL 27 2017

DAS
6
9-89

Location

Loc Qty

Loc Code

ST283

8

121090

8

1

MS9519-10

Purchased

No

100

Each

4.0000

1

1

MS9519-10

Bolt

**

JUN 27 2017

17/08/03 36
9-89

DAS
6
9-89

Location

Loc Qty

Loc Code

GA

4

m133790

4

1

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			
				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					

Picklist Print

Tuesday, June 27, 2017 1:24:15 PM

Work Order ID: 163498

163498

Parent Item: D412-704-141

D412-704-141

Parent Item Name: Pedal Assembly

Start Date: 6/27/2017

Required Date: 7/5/2017

Start Qty: 1.00

Required Qty: 1.00

NAS1149D0363J

Purchased

No

100

Each

674.0000

5

5

NAS1149D0363.J

Washer

**

JUL 27 2017

DAS
6
9-89

Location

Loc Qty

Loc Code

GA

43

m134055

13

m137164

30

ST263

631

m137587

631

5

NAS1149D0416J

Purchased

No

100

Each

3,496.000

2

2

NAS1149D0416.J

WASHER

**

JUL 27 2017

DAS
6
9-89

Location

Loc Qty

Loc Code

GA

610

m131511

610

ST264

2886

m131511

2886

NAS1149D0463J

Purchased

No

100

Each

3,541.000

13

13

NAS1149D0463.J

Washer

**

JUL 27 2017

DAS
6
9-89

Location

Loc Qty

Loc Code

GA

40

M135056

40

ST260a

2000

M137699

2000

ST263

1501

M137371

1501

13

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval																																																										
Description Work Order Deviation				Disposition				Completed By _____ Lead hand / Supervisor Approval Verification _____ QC / QA Coordinator Approval _____																																																									
Root Cause		FAULT CATEGORY																																																															
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____			
Misidentified ☐	Past Due ☐																																																																

Picklist Print

Page 7

Tuesday, June 27, 2017 1:24:15 PM

Work Order ID: 163498

163498

Parent Item: D412-704-141

D412-704-141

Parent Item Name: Pedal Assembly

Start Date: 6/27/2017

Required Date: 7/5/2017

Start Qty: 1.00

Required Qty: 1.00

AN3-6A	Purchased	No	122	Each	140.0000	2	2
--------	-----------	----	-----	------	----------	---	---

AN3-6A

Bolt

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
-----------------	----------------	-----------------

ST350	140	
-------	-----	--

m137412	140	
---------	-----	--

NAS1149D0332J	Purchased	No	122	Each	920.0000	4	4
---------------	-----------	----	-----	------	----------	---	---

NAS1149D0332.J

Washer

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
-----------------	----------------	-----------------

FP	211	
----	-----	--

m136015	8	
---------	---	--

m137075	203	
---------	-----	--

GA	272	
----	-----	--

m136643	272	
---------	-----	--

ST264	437	
-------	-----	--

m136015	0	
---------	---	--

m137736	437	
---------	-----	--

MS21042L3	Purchased	No	122	Each	1,467.000	2	2
-----------	-----------	----	-----	------	-----------	---	---

MS21042L3

Nut

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
-----------------	----------------	-----------------

FP001	79	
-------	----	--

m135945	79	
---------	----	--

GA	394	
----	-----	--

m134360	102	
---------	-----	--

M136665	292	
---------	-----	--

OVER007	500	
---------	-----	--

m134360	0	
---------	---	--

m137886	500	
---------	-----	--

ST303	494	
-------	-----	--

m137680	494	
---------	-----	--

Tuesday, June 27, 2017 1:24:15 PM

Shop Packet Print

Page 7

DQA: _____ Date: _____

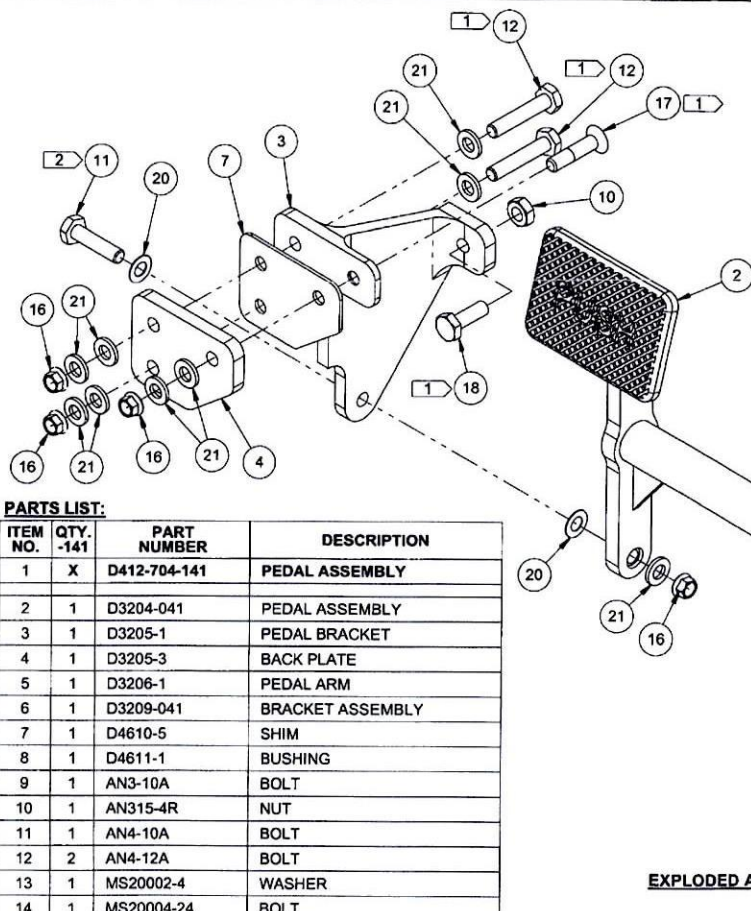


WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐																						
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐																						
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐																						
Large Fab ☐	Composite ☐	Supplier ☐																							
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																		
Description Work Order Deviation				Disposition				Completed By																	
Root Cause				FAULT CATEGORY																					
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐		No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐		Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐		Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐		Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐															
OTHER : ☐																									



PARTS LIST:

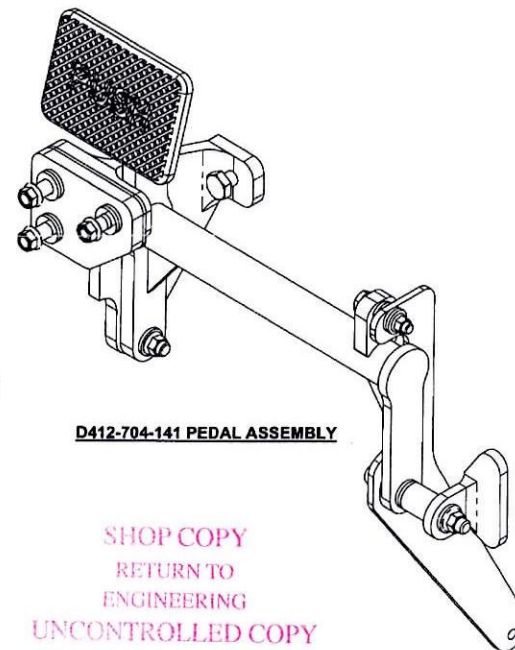
ITEM NO.	QTY. -141	PART NUMBER	DESCRIPTION
1	X	D412-704-141	PEDAL ASSEMBLY
2	1	D3204-041	PEDAL ASSEMBLY
3	1	D3205-1	PEDAL BRACKET
4	1	D3205-3	BACK PLATE
5	1	D3206-1	PEDAL ARM
6	1	D3209-041	BRACKET ASSEMBLY
7	1	D4610-5	SHIM
8	1	D4611-1	BUSHING
9	1	AN3-10A	BOLT
10	1	AN315-4R	NUT
11	1	AN4-10A	BOLT
12	2	AN4-12A	BOLT
13	1	MS20002-4	WASHER
14	1	MS20004-24	BOLT
15	1	MS21042L3	NUT (OR MS21042-3)
16	5	MS21042L4	NUT (OR MS21042-4)
17	1	MS24694-S104	SCREW
18	1	MS9519-10	BOLT
19	5	NAS1149D0363J	WASHER (OR AN960JD10)
20	2	NAS1149D0416J	WASHER (OR AN960JD416L)
21	13	NAS1149D0463J	WASHER (OR AN960JD416)
N/A *	2	AN3-6A	BOLT
N/A *	4	NAS1149D0332J	WASHER (OR AN960JD10L)
N/A *	2	MS21042L3	NUT (OR MS21042-3)

* SHIPPED LOOSE WITH -141 KIT (NOT PRE-ASSEMBLED AT DART)

EXPLODED ASSEMBLY VIEW

NOTES:

- 1) INSTALL IDENTIFIED FASTENERS LOOSE (HAND TIGHTEN ONLY).
- 2) TIGHTEN IDENTIFIED FASTENERS UNTIL SNUG. ENSURE THAT PARTS CAN STILL ROTATE.
- 3) TORQUE IDENTIFIED FASTENERS TO 15-25 in-lbs (1.7-2.8 N-m).



D412-704-141 PEDAL ASSEMBLY

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER

NO. 163498 ML5 1706-28

RELEASED
R 2012-03-21
ECN 12-545 4P

A NEW ISSUE		RF	12.02.24
REV.	DESCRIPTION	BY	DATE
DESIGN	RF		
DRAWN	RF		
CHECKED	ED		
MFG. APPR.	ED		
APPROVED	ED		
DE APPR.	ED		
DATE	12.02.24		

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. REV. A
D412-704-141 SHEET 1 OF 1
TITLE SCALE
PEDAL ASSEMBLY NTS

COPYRIGHT © 2012 BY DART AEROSPACE LTD
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS
NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT
WRITTEN PERMISSION FROM DART AEROSPACE LTD.